

## CLAIMS:

1. A projection system (10) for projecting an image onto a screen (16), the system comprising a main video projector (14) arranged to project a main image onto the screen (16), characterized in that the system (10) further comprises a contrast correction projector (12) arranged to project a contrast correction image onto the screen (16) to  
5 compensate for contrast inhomogeneities in the image projected by the main video projector (14).

2. A projection system as claimed in claim 1, wherein the contrast correction projector (12) has a brightness output that is less than 10 percent of the brightness output of  
10 the main projector (14).

3. A projection system as claimed in claim 1, wherein the contrast correction projector (12) is arranged to project a stable image onto the screen (16).

15 4. A projection system as claimed in claim 1, wherein the contrast correction projector (12) is arranged to use stray light from the main projector (14) as its light source.

5. A projection system as claimed in claim 1, wherein the contrast correction projector (12) comprises light emitting diodes as its light source.  
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6. A projection system as claimed in claim 1, wherein the system (10) is a rear projection system.